

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6163771" "5936221").pn.	USPAT	OR	ON	2007/08/25 22:35
L2	2	("5177789" "5428349").pn.	USPAT	OR	ON	2007/08/25 22:37
L3	1	"6246769".pn. and (internet network)	USPAT	OR	ON	2007/08/25 22:54
L4	1	"6246769".pn. and (screen touch\$)	USPAT	OR	ON	2007/08/25 22:54
S1	233	short adj messaging adj service	USPAT	OR	ON	2007/08/25 09:46
S2	59	electronic same funds same transfer same point-of-sale	USPAT	OR	ON	2005/01/14 12:25
S3	59	electronic same funds same transfer same (point-of-sale or point\$1of\$1sale)	USPAT	OR	ON	2005/01/07 16:58
S6	9	"5023908".pn. or "5343529".pn. or "5668876".pn. or "5724423".pn. or "5754652".pn. or "5971272".pn. or "6078908".pn. or "6182894".pn. or "6189098".pn.	US-PGPUB; USPAT	OR	ON	2005/01/07 14:42
S7	1532	secure adj transaction	US-PGPUB; USPAT	OR	ON	2005/01/07 14:43
S8	175	secure adj transaction and "713"/\$.ccls.	USPAT	OR	ON	2005/01/07 14:47
S9	351	((point adj2 sale) or (point adj2 service)) and "713"/\$.ccls.	USPAT	OR	ON	2005/01/07 14:47
S10	301	secur\$4 and ((point adj2 sale) or (point adj2 service)) and "713"/\$.ccls.	USPAT	OR	ON	2005/01/07 16:17
S11	4	("6189098").URPN.	USPAT	OR	ON	2005/01/07 14:50
S12	45	("5023908").URPN.	USPAT	OR	ON	2005/01/07 14:51
S13	8	("5754652").URPN.	USPAT	OR	ON	2005/01/07 14:57
S14	30	("5668876").URPN.	USPAT	OR	ON	2005/01/07 15:01
S15	1007	(identity same verif\$8) and "713"/\$.ccls.	USPAT	OR	ON	2005/01/07 16:17
S16	49	((identity same verif\$8) and (secure adj transact\$3)) and "713"/\$.ccls.	USPAT	OR	ON	2005/01/07 16:25
S17	13728	wang.in.	USPAT	OR	ON	2005/01/07 16:25
S18	83	wang.in. and "713"/\$.ccls.	USPAT	OR	ON	2005/01/07 16:25
S19	592526	PIN or personal adj identification adj number	USPAT	OR	ON	2005/01/07 16:58
S20	592526	PIN or (personal adj identification adj number)	USPAT	OR	ON	2005/01/14 12:25
S21	2955	"713"/\$.ccls. and (PIN or (personal adj identification adj number))	USPAT	OR	ON	2005/01/07 16:59
S22	96	"713"/\$.ccls. and (PIN or (personal adj identification adj number)) and (secure adj transaction)	USPAT	OR	ON	2005/01/07 17:03
S23	12	"713"/\$.ccls. and (PIN or (personal adj identification adj number)) and (secure adj transaction) and one-time	USPAT	OR	ON	2005/01/07 17:03
S24	50	("5168520").URPN.	USPAT	OR	ON	2005/01/07 17:13
S25	0	705/64+.ccls.	US-PGPUB; USPAT	OR	ON	2005/01/14 10:15
S26	467	705/64.cccls.	US-PGPUB; USPAT	OR	ON	2005/01/14 10:17
S27	1807	705/64-79.cccls.	US-PGPUB; USPAT	OR	ON	2005/01/14 10:17
S28	941	705/64-79.cccls.	USPAT	OR	ON	2005/01/14 10:19
S29	155	705/64-79.cccls. and wireless	USPAT	OR	ON	2005/01/14 10:19
S30	1797942	PIN or (personal adj identification adj number)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:25
S31	2341	electronic adj funds adj transfer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:26

## EAST Search History

S32	14110	point adj sale	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:27
S33	350	S30 and S31 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:26
S34	17451	EFT or (electronic adj funds adj transfer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:27
S35	779881	POS or (point adj sale)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:27
S36	7009	S30 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:27
S37	4554	S36 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:28
S38	348	S37 and ("713"/\$.ccls. or "705"/\$.ccls. or "380"/\$.ccls. or "340"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:29
S39	637	S37 and ("713"/\$.ccls. or "705"/\$.ccls. or "380"/\$.ccls. or "340"/\$.ccls. or "235"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:30
S40	190	S37 and ("713"/\$.ccls. or "705"/\$.ccls. or "380"/\$.ccls. or "340"/\$.ccls. or "235"/\$.ccls.) and host and secur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 12:31
S42	111	S37 and host and secur\$4 and wireless	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 13:04
S43	18	("5343529" "5724423" "5971272" "5668876" "5754652" "6189098" "6078908" "5023908" "6182894").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 13:10

## EAST Search History

S44	6	("5168520" "5940511" "5988497").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 13:18
S45	6	("5988497").URPN.	USPAT	OR	ON	2005/01/14 13:10
S46	17	("4720860"   "4812628"   "5109408"   "5130519"   "5168520"   "5177342"   "5239583"   "5251259"   "5311594"   "5317636"   "5345380"   "5513250"   "5530235"   "5583864"   "5615408"   "5617470"   "5627355").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/14 13:11
S47	3	("5168520" "5940511" "5988497").PN.	USPAT	OR	ON	2005/01/14 13:19
S48	7	("5060263"   "5093861"   "5130519"   "5168520"   "5196840"   "5239583"   "5655020").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/14 13:19
S49	8	("5940511").URPN.	USPAT	OR	ON	2005/01/14 13:21
S50	6	("5988497").URPN.	USPAT	OR	ON	2005/01/14 13:23
S51	50	("5168520").URPN.	USPAT	OR	ON	2005/01/14 13:24
S52	36	("3764742"   "3806874"   "3886451"   "3900867"   "3995111"   "4104694"   "4126761"   "4145568"   "4185166"   "4193073"   "4277837"   "4295039"   "4302810"   "4320387"   "4326098"   "4471216"   "4494211"   "4509093"   "4536647"   "4543657"   "4578530"   "4582434"   "4589066"   "4599489"   "4609777"   "4636583"   "4641322"   "4677617"   "4720860"   "4731841"   "4802216"   "4819267"   "4849613"   "4856062"   "4890323"   "5023908").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/14 13:29
S57	58	("5343529").URPN.	USPAT	OR	ON	2005/01/14 14:48
S58	7	("4376279"   "4672572"   "4691355"   "4694492"   "4720860"   "4723284"   "4885778").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/14 15:25
S59	293	705/67.ccis.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/14 15:25
S60	171	705/67.ccis.	USPAT	OR	ON	2005/01/14 15:40
S61	0	705/182.ccis. or 705/186.ccis.	USPAT	OR	ON	2005/01/14 15:40
S62	387	713/182.ccis. or 713/186.ccis.	USPAT	OR	ON	2005/01/14 15:44
S63	32	(713/182.ccis. or 713/186.ccis.) and point adj sale	USPAT	OR	ON	2005/01/14 15:48
S64	78	("713"/\$.ccis.) and point adj sale and personal adj identification adj number	USPAT	OR	ON	2005/01/14 16:13
S65	7335	function adj4 PIN	USPAT	OR	ON	2005/01/14 16:13
S66	160	function adj4 PIN and "713"/\$.ccis.	USPAT	OR	ON	2005/01/14 16:39
S67	35	eftpos	USPAT	OR	ON	2005/01/14 16:39
S68	169	eftpos	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 16:42
S69	4330	eft and pos and pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 16:42
S70	106	eft and pos and pin and authentication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 16:54

## EAST Search History

S71	838	713/182-184.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 16:55
S72	456	713/182-184.ccls. and authentication	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 16:55
S73	223	713/182-184.ccls. and authentication and verification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/14 16:57
S76	28	(US-5490217-\$ or US-5646998-\$ or US-5661807-\$ or US-5754652-\$ or US-5917913-\$ or US-5971272-\$ or US-6012144-\$ or US-6014636-\$ or US-6175922-\$ or US-6282656-\$ or US-6332192-\$ or US-6493457-\$ or US-6594759-\$ or US-6175921-\$ or US-6088797-\$ or US-5617470-\$ or US-5130519-\$ or US-5627355-\$ or US-5060263-\$ or US-5239583-\$ or US-5969324-\$ or US-5481611-\$ or US-5657388-\$ or US-5668876-\$ or US-4104694-\$ or US-5023908-\$).did. or (US-5097505-\$ or US-5058161-\$).did.	USPAT	OR	ON	2005/01/14 17:11
S77	171	713/168.ccls. and (PIN or personal adj identification adj number)	US-PGPUB; USPAT	OR	ON	2005/01/18 07:00
S78	19	S77 and (POS or point adj1 sale)	US-PGPUB; USPAT	OR	ON	2005/01/14 17:39
S79	80	713/184.ccls. and (PIN or personal adj identification adj number)	US-PGPUB; USPAT	OR	ON	2005/01/18 07:58
S80	2	("5343529" "6078908").PN.	US-PGPUB; USPAT	OR	ON	2005/01/18 07:58
S81	7	("5926764" "5974144" "6704789" "6119230" "5878415" "5131038" "6363151").PN.	US-PGPUB; USPAT	OR	ON	2005/01/18 07:59
S90	29	(US-20020013904-\$).did. or (US-5058161-\$ or US-5097505-\$ or US-5239583-\$ or US-5627355-\$ or US-5646998-\$ or US-5661807-\$ or US-6175922-\$ or US-6282656-\$ or US-6332192-\$ or US-6594759-\$ or US-5661284-\$ or US-4697072-\$ or US-6018717-\$ or US-6003014-\$ or US-5023908-\$ or US-5168520-\$ or US-5367572-\$ or US-5251259-\$ or US-5606614-\$ or US-5177789-\$ or US-5343529-\$ or US-4720860-\$ or US-5163097-\$ or US-5355413-\$ or US-6000832-\$ or US-5056141-\$).did. or (US-5971272-\$ or US-5668876-\$).did.	US-PGPUB; USPAT	OR	ON	2005/01/18 10:21
S91	6	S90 and (pos or point adj1 sale)	US-PGPUB; USPAT	OR	ON	2005/01/18 10:22
S92	6	S90 and (pos or point adj1 sale) and (pin or personal adj identification adj number)	US-PGPUB; USPAT	OR	ON	2005/01/18 12:14
S94	40	weiss.in. and ("380"/\$.ccls. or "713"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2005/01/18 10:54
S95	36	(US-20020013904-\$).did. or (US-5058161-\$ or US-5097505-\$ or US-5239583-\$ or US-5627355-\$ or US-5646998-\$ or US-5661807-\$ or US-6175922-\$ or US-6282656-\$ or US-6332192-\$ or US-6594759-\$ or US-5661284-\$ or US-4697072-\$ or US-6018717-\$ or US-6003014-\$ or US-5023908-\$ or US-5168520-\$ or US-5367572-\$ or US-5251259-\$ or US-5606614-\$ or US-5177789-\$ or US-5343529-\$ or US-4720860-\$ or US-5163097-\$ or US-5355413-\$ or US-6000832-\$ or US-5056141-\$).did. or (US-5971272-\$ or US-5668876-\$ or US-5485519-\$ or US-5237614-\$ or US-5479512-\$ or US-4998279-\$ or US-4885778-\$ or US-5657388-\$ or US-5361062-\$).did.	US-PGPUB; USPAT	OR	ON	2005/01/18 11:01

## EAST Search History

S96	13	S95 and weiss.in.	US-PGPUB; USPAT	OR	ON	2005/01/19 10:43
S97	13	S95 and weiss.in. and generat\$4	US-PGPUB; USPAT	OR	ON	2005/01/18 11:52
S10 0	4	S95 and wireless	US-PGPUB; USPAT	OR	ON	2005/01/18 12:36
S10 1	1803	(pos or point adj1 sale) and (pin or personal adj identification adj number) and wireless	US-PGPUB; USPAT	OR	ON	2005/01/18 12:14
S10 2	203	(pos or point adj1 sale) and (pin or personal adj identification adj number) and wireless and (eft or electronic adj funds adj transfer)	US-PGPUB; USPAT	OR	ON	2005/01/18 12:32
S10 3	3744	(pos or point adj1 sale) and (pin or personal adj identification adj number) and device same receive\$3	US-PGPUB; USPAT	OR	ON	2005/01/18 12:26
S10 4	1255	(pos or point adj1 sale) and (pin or personal adj identification adj number) and device same receive\$3 same generat\$4	US-PGPUB; USPAT	OR	ON	2005/01/18 12:26
S10 5	101	(pos or point adj1 sale) and (pin or personal adj identification adj number) and device same receive\$3 same generat\$4 and ("380"/\$.ccls. or "713"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2005/01/18 12:26
S10 6	57	(pos or point adj1 sale) and (pin or personal adj identification adj number) and device same receive\$3 same generat\$4 and ("380"/\$.ccls. or "713"/\$.ccls.)	USPAT	OR	ON	2005/01/18 12:26
S10 9	377	(pos or point adj1I26 and S95 sale) and (pin or personal adj identification adj number) and wireless and (eft or electronic adj funds adj transfer)	US-PGPUB; USPAT	OR	ON	2005/01/18 12:33
S11 0	0	S102 and S95	US-PGPUB; USPAT	OR	ON	2005/01/18 12:33
S11 3	4	S95 and wireless and PIN	US-PGPUB; USPAT	OR	ON	2005/01/18 12:38
S11 6	2194	pin same wireless	US-PGPUB; USPAT	OR	ON	2005/01/18 12:38
S11 7	2194	pin same wireless and (pin or personal adj identification adj number)	US-PGPUB; USPAT	OR	ON	2005/01/18 12:39
S11 8	267	pin same wireless and (pin or personal adj identification adj number) and (pos or point adj1 sale)	US-PGPUB; USPAT	OR	ON	2005/01/18 12:39
S11 9	67	pin same wireless and (pin or personal adj identification adj number) and (pos or point adj1 sale)	USPAT	OR	ON	2005/01/18 12:39
S12 0	8685	wireless and receiv\$3 and (pin or personal adj identification adj number)	USPAT	OR	ON	2005/01/18 15:11
S12 1	382	wireless same receiv\$3 same (pin or personal adj identification adj number)	USPAT	OR	ON	2005/01/18 15:11
S12 2	1109	wireless same receiv\$3 same (pin or personal adj identification adj number)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 15:11
S12 3	91	wireless same receiv\$3 same (pin or personal adj identification adj number) and one adj1 time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 15:12
S12 4	91	wireless same receiv\$3 same (pin or personal adj identification adj number) and (one adj1 time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 15:12
S12 5	21	wireless same receiv\$3 same (pin or personal adj identification adj number) and (one\$1time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 15:20

## EAST Search History

S13 6	166	send same confirmation same transaction same (user or customer)	USPAT	OR	ON	2005/01/19 07:36
S14 2	36	(US-20020013904-\$).did. or (US-5058161-\$ or US-5097505-\$ or US-5239583-\$ or US-5627355-\$ or US-5646998-\$ or US-5661807-\$ or US-6175922-\$ or US-6282656-\$ or US-6332192-\$ or US-6594759-\$ or US-5661284-\$ or US-4697072-\$ or US-6018717-\$ or US-6003014-\$ or US-5023908-\$ or US-5168520-\$ or US-5367572-\$ or US-5251259-\$ or US-5606614-\$ or US-5177789-\$ or US-5343529-\$ or US-4720860-\$ or US-5163097-\$ or US-5355413-\$ or US-6000832-\$ or US-5056141-\$).did. or (US-5971272-\$ or US-5668876-\$ or US-5485519-\$ or US-5237614-\$ or US-5479512-\$ or US-4998279-\$ or US-4885778-\$ or US-5657388-\$ or US-5361062-\$).did.	US-PGPUB; USPAT	OR	ON	2005/01/19 10:43
S15 2	143	705/64.ccls.	USPAT	OR	ON	2005/01/19 12:39
S15 4	218	705/75.ccls.	USPAT	OR	ON	2005/01/19 11:31
S15 6	116	705/72.ccls.	USPAT	OR	ON	2005/01/19 15:54
S15 8	14881	storing and generating and determining and transmitting and displaying and input\$4	US-PGPUB; USPAT	OR	ON	2005/01/19 16:11
S15 9	2169	S158 and ("713"/\$.ccls. or "380"/\$.ccls. or "705"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2005/01/19 16:11
S16 0	492	S159 and (pin or personal adj identification adj number)	US-PGPUB; USPAT	OR	ON	2005/01/19 16:12
S16 1	250	S160 and host	US-PGPUB; USPAT	OR	ON	2005/01/19 16:12
S16 2	239	S161 and code	US-PGPUB; USPAT	OR	ON	2005/01/19 16:12
S16 3	123	S162 and wireless	US-PGPUB; USPAT	OR	ON	2005/01/19 16:13
S16 5	15	("5177789").URPN.	USPAT	OR	ON	2005/01/19 16:33
S16 7	4	"4697072".pn. "5343529".pn. "5530438".pn. "6748367".pn.	USPAT	OR	ON	2005/01/21 11:30
S16 8	4	("4697072" "5343529" "5530438" "6748367").pn.	US-PGPUB; USPAT	OR	ON	2005/10/03 10:44
S16 9	1	"20020029342".pn. and random same known	US-PGPUB; USPAT	OR	ON	2005/10/03 09:54
S17 0	2	("4697072" "5343529" "5530438" "6748367").pn. and random	US-PGPUB; USPAT	OR	ON	2005/10/03 09:55
S17 1	0	"4697072".pn. and random	US-PGPUB; USPAT	OR	ON	2005/10/03 10:38
S17 2	1	"4697072".pn. and confirmation	US-PGPUB; USPAT	OR	ON	2005/10/03 10:20
S17 3	4733	random same transaction	US-PGPUB; USPAT	OR	ON	2005/10/03 10:21
S17 4	2162	random with transaction	US-PGPUB; USPAT	OR	ON	2005/10/03 10:21
S17 5	30	random with transaction same confirmation	US-PGPUB; USPAT	OR	ON	2005/10/03 10:21
S17 6	0	"4697072".pn. and touch\$	US-PGPUB; USPAT	OR	ON	2005/10/03 10:38
S17 7	0	"4697072".pn. and sensitive	US-PGPUB; USPAT	OR	ON	2005/10/03 10:38
S17 8	0	"4697072".pn. and screen	US-PGPUB; USPAT	OR	ON	2005/10/03 10:38
S17 9	1	"4697072".pn. and display	US-PGPUB; USPAT	OR	ON	2005/10/03 10:38
S18 0	1	"4697072".pn. and display\$	US-PGPUB; USPAT	OR	ON	2005/10/03 10:38

## EAST Search History

S18 1	3	("4697072" "5343529" "5530438" "6748367").pn. and (touch\$ sensitive screen display\$)	US-PGPUB; USPAT	OR	ON	2005/10/03 10:46
S18 2	820	enter\$ with touch\$ with sensitive with (screen display)	US-PGPUB; USPAT	OR	ON	2005/10/03 10:46
S18 3	40	code with enter\$ with touch\$ with sensitive with (screen display)	US-PGPUB; USPAT	OR	ON	2005/10/03 10:52
S18 4	45	(US-20020013904-\$).did. or (US-4697072-\$ or US-4720860-\$ or US-4885778-\$ or US-4998279-\$ or US-5023908-\$ or US-5056141-\$ or US-5058161-\$ or US-5097505-\$ or US-5163097-\$ or US-5168520-\$ or US-5177789-\$ or US-5195133-\$ or US-5237614-\$ or US-5239583-\$ or US-5251259-\$ or US-5297202-\$ or US-5343529-\$ or US-5355413-\$ or US-5361062-\$ or US-5367572-\$ or US-5479512-\$ or US-5485519-\$ or US-5530438-\$ or US-5606614-\$ or US-5627355-\$ or US-5646998-\$).did. or (US-5655020-\$ or US-5657388-\$ or US-5661284-\$ or US-5661807-\$ or US-5668876-\$ or US-5778173-\$ or US-5936541-\$ or US-5971272-\$ or US-6000832-\$ or US-6003014-\$ or US-6018717-\$ or US-6175922-\$ or US-6282656-\$ or US-6332192-\$ or US-6594759-\$ or US-6732278-\$ or US-6748367-\$ or US-6836765-\$).did.	US-PGPUB; USPAT	OR	ON	2005/10/03 10:48
S18 5	5	transaction with enter\$ with touch\$ with sensitive with (screen display)	US-PGPUB; USPAT	OR	ON	2005/10/03 11:49
S18 6	1087	713/168.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/03 11:49
S18 7	581	713/168.ccls.	USPAT	OR	ON	2005/10/03 12:00
S18 8	1	"5343529".pn.	USPAT	OR	ON	2005/10/03 12:00
S18 9	1	"5343529".pn. and random	USPAT	OR	ON	2005/10/03 12:00
S19 0	9	(US-6216183-\$ or US-6343360-\$ or US-5408417-\$ or US-5481509-\$ or US-6285916-\$ or US-5611051-\$ or US-5537313-\$ or US-6002918-\$ or US-6539363-\$).did.	USPAT	OR	ON	2005/10/03 12:27
S19 1	1	"4697072".pn.	US-PGPUB; USPAT	OR	ON	2006/04/06 16:01
S19 2	1	"4697072".pn. and card	USPAT	OR	ON	2006/04/07 10:47
S19 3	1	"4697072".pn. and (card smart\$)	USPAT	OR	ON	2006/04/07 11:48
S19 4	1	"6178511".pn.	USPAT	OR	ON	2006/04/07 11:48
S19 5	725	713/168.ccls.	USPAT	OR	ON	2006/06/15 06:49
S19 6	82	keech.in.	USPAT	OR	ON	2006/06/15 06:49
S19 7	1	keech.in. and swivel.as.	USPAT	OR	ON	2006/06/15 06:56
S19 8	0	"681974".ccls.	USPAT	OR	ON	2006/06/15 06:56
S19 9	0	"681974".pn.	USPAT	OR	ON	2006/06/15 06:56
S20 0	1	"6816974".pn.	USPAT	OR	ON	2006/06/15 07:19
S20 1	808	(card integrated adj circuit smartcard smart adj card system-on-a-chip) same (pseudo-random pseudorandom random) same transaction	US-PGPUB; USPAT	OR	ON	2006/06/15 07:21
S20 2	77	(card integrated adj circuit smartcard smart adj card system-on-a-chip) same (pseudo-random pseudorandom random) same transaction same (connected received) same (host server central)	US-PGPUB; USPAT	OR	ON	2006/06/15 07:30
S20 3	5	("4697072" "5343529" "5530438" "6748367" "5408417").pn.	US-PGPUB; USPAT	OR	ON	2006/06/15 07:31

## EAST Search History

S20 4	46	("4697072").URPN.	USPAT	OR	ON	2006/06/15 07:56
S20 5	1	one-time adj transaction adj code	US-PGPUB; USPAT	OR	ON	2006/06/15 07:56
S20 6	74	unique adj transaction adj code	US-PGPUB; USPAT	OR	ON	2006/06/15 07:56
S20 7	15	unique adj transaction adj code and (ic integrated adj circuit smart adj card smart-card)	US-PGPUB; USPAT	OR	ON	2006/06/15 08:44
S20 8	2	supply\$3 with (pseudorandom pseudo-random pseudo adj random) with (code string) and (display with (code string) with user)	US-PGPUB; USPAT	OR	ON	2006/06/15 08:49
S20 9	1	"6246769".pn.	US-PGPUB; USPAT	OR	ON	2006/06/15 08:49
S21 0	1	("6246769").URPN.	USPAT	OR	ON	2006/06/15 09:49
S21 1	1	("6163771".pn.) and (random string number host transaction supply\$ transmit\$ display\$ show\$ present\$ verify\$ authenticat\$ encod\$ encrypt\$)	USPAT	OR	ON	2006/06/15 10:36
S21 2	1	(generate with transaction with (code number) same transmit\$) same (samrt adj card smartcard integrated adj circuit)	USPAT	OR	ON	2006/06/15 10:37
S21 3	3910	(smart adj card smartcard integrated adj circuit) same (receiv\$ with (transaction code number))	USPAT	OR	ON	2006/06/15 10:38
S21 4	189	(smart adj card smartcard integrated adj circuit) same (receiv\$ with (transaction code number)) and (point adj sale electronic adj funds adj transfer)	USPAT	OR	ON	2006/06/15 10:43
S21 5	85	(smart adj card smartcard integrated adj circuit) with (receiv\$ with (transaction code number)) and (point adj sale electronic adj funds adj transfer)	USPAT	OR	ON	2006/06/15 11:00
S21 6	1	"6163771".pn. and receiv\$	USPAT	OR	ON	2006/06/15 11:37
S21 7	2	("5936221" "6163771").pn. and (point sale electronic fund transfer)	USPAT	OR	ON	2006/06/15 11:49
S21 8	2	("5936221" "6163771").pn. and (touch\$ display)	USPAT	OR	ON	2006/06/15 11:59
S21 9	1	("5936221" "6163771").pn. and (wireless)	USPAT	OR	ON	2006/06/15 12:27
S22 0	725	713/168.ccis.	USPAT	OR	ON	2006/06/15 12:27
S22 1	16	(US-20040236819-\$).did. or (US-6343360-\$ or US-6285916-\$ or US-6002918-\$ or US-5611051-\$ or US-5537313-\$ or US-5481509-\$ or US-5408417-\$ or US-6216183-\$ or US-6539363-\$ or US-6163771-\$ or US-6484260-\$ or US-6687350-\$ or US-5936221-\$ or US-6760796-\$ or US-6289324-\$).did.	US-PGPUB; USPAT	OR	ON	2006/06/15 12:30
S22 2	53	("20020013904" "4697072" "4720860" "4885778" "4998279" "5023908" "5056141" "5058161" "5097505" "5163097" "5168520" "5177789" "5195133" "5196840" "5237614" "5239583" "5297202" "5343529" "5355413" "5361062" "5367572" "5408417" "5479512" "5481509" "5485519" "5530438" "5537313" "5606614" "5627355" "5646998" "5655020" "5657388" "5661284" "5661807" "5668876" "5778173" "5936541" "5971272" "5988497" "6000832" "6003014" "6018717" "6175922" "6216183" "6282656" "6285916" "6332192" "6343360" "6539363" "6594759" "6732278" "6748367" "6816974").PN.	US-PGPUB; USPAT	OR	ON	2006/06/15 12:31
S22 3	9	S221 not S222	US-PGPUB; USPAT	OR	ON	2006/06/15 12:31
S22 4	9	(US-20040236819-\$).did. or (US-6760796-\$ or US-6687350-\$ or US-6484260-\$ or US-6289324-\$ or US-6163771-\$ or US-6002918-\$ or US-5936221-\$ or US-5611051-\$).did.	US-PGPUB; USPAT	OR	ON	2006/06/15 12:31
S22 5	1	"6343305".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:06
S22 6	1	"20020029342".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:06

## EAST Search History

S22 7	1	"20020029342".pn. and (user algorithms generated)	US-PGPUB; USPAT	OR	ON	2007/01/23 13:24
S22 8	1	"5177789".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:39
S22 9	1	"7043635".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:39
S23 0	882	713/168.ccls.	USPAT	OR	ON	2007/01/23 15:48
S23 1	148	("4755940" "5237506" "5757916" "6192237" "4912762" "5241594" "5363449" "5448044" "5613012" "6058393" "6178510" "6243737" "4486828" "4578530" "4783798" "4788418" "4797920" "4817140" "4962531" "4983053" "4997288" "5008936" "5012076" "5016277" "5022076" "5196682" "5196840" "5280527" "5324922" "5404523" "5615277" "5634127" "5664229" "5671283" "5671374" "5682027" "5745576" "5745794" "5762376" "5777305" "5781438" "5801364" "5805719" "5835689" "5923734" "5936219" "5983366" "5987441" "5991748" "6010067" "6012633" "6038292" "6068184" "6085181" "6091817" "6098058" "6095412" "6098837" "6119104" "6129272" "6145739" "6151591" "6175826" "6185682" "6219693" "6219693" "6230283" "6253193" "6253369" "6311165" "6324683" "6330549" "6363488" "6389402" "6427140" "6430301" "6466780" "6501832" "6612488" "6631840" "6636966" "6707889" "6813613" "6856975" "6888929" "6913194" "7040533" "7043635" "7104444" "20020029342" "20020059146" "20020082926" "20020087415" "20020091937" "20020099634" "20020130176" "20020174185" "20020188890" "20030105725" "20030151495" "20030200179" "20030233318" "20040004117" "20040010472" "20040010567" "20040215574" "20050044451" "20050119968" "20050119972" "20050242173" "20060015366" "20060273158" "5488631" "6119108" "6055638" "6169890" "4268715" "4882473" "5299026" "5444779" "5450545" "5472116" "5659798" "5757917" "5992752" "5999596" "6061682" "6061682" "6102287" "6246769" "4271351" "4356550" "4365295" "4423287" "4453074" "4582985" "4839640" "4879747" "4928001" "4995081" "5227614" "5263164" "5287270" "5406063" "5416473" "5428782" "5468947" "5497411" "5550358" "5581749").pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 16:04
S23 2	60	("20020013904" "20040236819" "4697072" "4697072" "4720860" "4885778" "4998279" "5023908" "5056141" "5058161" "5097505" "5163097" "5168520" "5177789" "5195133" "5237614" "5239583" "5297202" "5343529" "5355413" "5361062" "5367572" "5408417" "5479512" "5481509" "5485519" "5530438" "5537313" "5606614" "5627355" "5646998" "5655020" "5657388" "5661284" "5661807" "5668876" "5778173" "5936221" "5936541" "5971272" "5988497" "6000832" "6002918" "6003014" "6018717" "6163771" "6175922" "6216183" "6282656" "6285916" "6289324" "6332192" "6343360" "6484260" "6539363" "6594759" "6687350" "6732278" "6748367" "6760796" "6816974").PN.	US-PGPUB; USPAT	OR	ON	2007/01/23 16:04
S23 3	23	(US-20040236819-\$).did. or (US-6163771-\$ or US-6343360-\$ or US-6216183-\$ or US-5481509-\$ or US-5408417-\$ or US-6002918-\$ or US-5611051-\$ or US-5537313-\$ or US-6285916-\$ or US-6539363-\$ or US-6484260-\$ or US-6760796-\$ or US-6687350-\$ or US-6289324-\$ or US-5936221-\$ or US-5324922-\$ or US-6185682-\$ or US-5757917-\$ or US-7043635-\$ or US-5016277-\$ or US-6095412-\$ or US-6091817-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/23 16:04
S23 4	9	(US-20040236819-\$).did. or (US-6163771-\$ or US-6002918-\$ or US-5611051-\$ or US-6484260-\$ or US-6760796-\$ or US-6687350-\$ or US-6289324-\$ or US-5936221-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/23 16:04
S23 5	23	S233 S234	US-PGPUB; USPAT	OR	ON	2007/01/23 16:04
S23 6	8	S235 not S232	US-PGPUB; USPAT	OR	ON	2007/01/23 16:05
S23 7	299	position\$.clm. and code.clm. and transaction.clm.	USPAT	OR	ON	2007/08/24 23:07
S23 8	29	position\$.clm. and code.clm. and transaction.clm. and (pseudo\$6 pseudorandom random).clm.	USPAT	OR	ON	2007/08/24 23:13
S23 9	1	"6246769".pn.	USPAT	OR	ON	2007/08/24 23:13

## EAST Search History

S24 0	1054	713/168.ccls.	USPAT	OR	ON	2007/08/25 09:58
S24 1	0	"6246769".pn. and psuedo\$	USPAT	OR	ON	2007/08/25 09:59
S24 2	1	"6246769".pn. and (pseudo\$ random\$)	USPAT	OR	ON	2007/08/25 10:15
S24 3	1	"6246769".pn. and (wireless smartcard card ic adj card display\$)	USPAT	OR	ON	2007/08/25 22:23